

10/018,412

1-7. (CANCELED)

8. (CURRENTLY AMENDED) A power distribution transmission having one mechanical and one hydraulic power branch, a hydraulic pump (1) and a separate hydraulic motor (3) being interconnected in the hydraulic power branch and retained in a transmission housing (7) via elastic damping elements (5) and situated only in the area in which they are the interconnected are said hydraulic pump (1) and said the separate hydraulic motor (3) are connected via damping elements (5) with one another and with a said transmission housing (7), and said hydraulic pump (1) and said hydraulic motor (3) communicate with said mechanical power branch via shafts (12, 17) which are floatingly supported, wherein said shafts (12, 17) have one of crowned teeth and spiral gearing at connecting points (14, 19).

9. (CURRENTLY AMENDED) The power distribution transmission according to claim 8, wherein toothed wheels (13, 16), which are connected via said shafts (12, 17) with a said hydraulic pump (1) and a said hydraulic motor (3), are supported by bearings (15, 20) in a said transmission housing (7).

10. (PREVIOUSLY ADDED) The power distribution transmission according to claim 8, wherein said hydraulic motor (3) is connected via an intermediate plate (2) with said hydraulic pump (1) which has receptacles (4) for said damping elements (5).

11. (PREVIOUSLY ADDED) The power distribution transmission according to claim 10, wherein said receptacles (4) for said damping elements (5) are radially disposed around an axis of rotation (9) of said hydraulic pump (1).

12. (CURRENTLY AMENDED) The power distribution transmission according to claim 8, wherein said hydraulic motor (3) is connected via an intermediate plate (2) with said hydraulic pump (1) which has centering receptacles (4) (10) for centering said intermediate plate (2) in a said transmission housing (7).

13. (PREVIOUSLY ADDED) The power distribution transmission according to claim 8, wherein said damping elements are situated in one plane.

14. (NEW) A power distribution transmission comprising:
one mechanical power branch and one hydraulic power branch, the hydraulic power branch having a hydraulic pump (1) co-axially connected to a hydraulic motor (3) at a connection point;
a transmission housing (7) supporting the hydraulic pump (1) and the hydraulic motor (3) at the connection point; and

10/018,412

wherein elastic damping elements (5) are provided only at the connection point for joining the coaxially connected hydraulic pump (1) and hydraulic motor (3) with the transmission housing (7), and said hydraulic pump (1) and said hydraulic motor (3) communicate with said mechanical power branch via respective floatingly supported shafts (12, 17) having one of crowned teeth and spiral gearing at respective connecting points (14, 19) between the hydraulic power branch and the mechanical power branch.

15. (NEW) The power distribution transmission according to claim 14, wherein a first toothed wheel (13) connected to said hydraulic pump (1) via one of said floatingly supported shafts (12, 17), and a second toothed wheel (16) connected to said hydraulic motor (3) via the other of said floatingly supported shafts (12, 17), are directly supported in the transmission housing (7) by bearings (15, 20).

16. (NEW) The power distribution transmission according to claim 14, wherein said hydraulic motor (3) is connected via an intermediate plate (2) with said hydraulic pump (1) which has receptacles (4) for said damping elements (5).

17. (NEW) The power distribution transmission according to claim 13, wherein said receptacles (4) for said damping elements (5) are radially disposed around an axis of rotation (9) of said hydraulic pump (1).

18. (NEW) The power distribution transmission according to claim 14, wherein said hydraulic motor (3) is connected via an intermediate plate (2) with said hydraulic pump (1) which has centering receptacles (10) for centering said intermediate plate (2) in said transmission housing (7).

19. (NEW) The power distribution transmission according to claim 14, wherein said damping elements are situated in one plane.

20. (NEW) A power distribution transmission having one mechanical and one hydraulic power branch, a hydraulic pump (1) and a hydraulic motor (3) being interconnected in the hydraulic power branch and retained in a transmission housing (7) via elastic damping elements (5) situated only in the area in which the interconnected hydraulic pump (1) and the separate hydraulic motor (3) are connected with one another and with said transmission housing (7), and said hydraulic pump (1) and said hydraulic motor (3) communicate with said mechanical power branch via shafts (12, 17) which are floatingly supported, wherein said shafts (12, 17) have one of crowned teeth and spiral gearing at connecting points (14, 19); and

10/018,412

wherein said hydraulic motor (3) is connected via an intermediate plate (2) with said hydraulic pump (1) which has centering receptacles (10) for centering said intermediate plate (2) in said transmission housing (7).

832
cont'd